

INTRAVASCULAR STENT

ABSTRACT

A stent in a non-expanded state has a first and second expansion column, each consisting of a plurality of expansion strut pairs. An expansion strut pair includes a first expansion strut, a second expansion strut and a joining strut that couples the first and second expansion struts at one end. Expansion strut pairs include expansion strut pair first and second corners formed where the joining strut couples the first and second expansion struts. A connecting strut column, formed of a plurality of connecting struts couples the first and second expansion columns. Connecting struts include a proximal section, a distal section and an intermediate section. The proximal section is coupled to the corner of an expansion strut pair of the first expansion column, and the distal section is coupled to the joining strut of an expansion strut pair of the second expansion column intermediate the expansion strut pair first corner and the expansion strut pair second corner.